

# Advancing Asset Management in Your Utility: A “Hands-on” Approach Workshop

## USEPA Advanced Asset Management Workshops 2004

Day 1			
Time	Topic	Exercise	Who?
8:00 – 8:30	<b>Introductions</b> Outline of the next two days Our faculty; who you are The Basic Self-Audit Tool		Duncan Rose
8:30 – 9:15	<b>Storyline, Background and Context</b> Introduction of Storyline Why the focus on AM? – the emerging infrastructure challenges The Changing Utility Industry The Emerging Utility of Tomorrow		Steve Allbee
15 minutes	Break		
9:30 – 10:30	<b>Overview of Fundamental Concepts and Core Practices</b> A Definition of AAM The AAM Paradigm Seeing the Big Picture - The AAM Policy “Charter” The “Roll-up” Perspective The Nine Building Blocks of AAM Managing the asset base’s “potential to fail” The AM knowledge stair step Payoffs and benefits Downsides		Duncan Rose
15 minutes	Break		
10:45 – 10:50	<b>Storyline – Tom’s Very Bad Day</b>		Steve Allbee
10:50 – 12:15	<b>Core Question 1: What is the current state of my assets? (What do I have; where is it; what is its condition &amp; remaining physical life; what is its value?)</b> Creating the “asset hierarchy” Defining the “data standard” Initial condition analysis, remaining physical life Valuation/asset consumption/financial disclosure from a GASB perspective; what else do we need to know?	<b>Exercise 1A</b> <i>Asset Registry</i> <b>Exercise 1B</b> <i>Condition</i> <b>Exercise 1C</b> <i>GASB34</i>	Roger Byrne Duncan Rose
45 minutes	Lunch		
1:00 – 1:45	<b>Core Question 2: What is my required “sustainable” level of service (LOS)?</b> What is “LOS”? Why do it? How it works (Strategic level versus operations level) A “Balanced Scorecard” approach	<b>Exercise 2</b> <i>Set LOS</i>	Duncan Rose
15 minutes			
2:00 – 3:15	<b>Core Question 3: Which assets are critical to sustained performance?</b> Understanding how my assets can fail What the likelihood of failure is What the consequences are How to measure our Agency’s “business risk exposure”?	<b>Exercise 3A</b> <i>MoF &amp; CoF</i> <b>Exercise 3B</b> <i>PoF and BRE</i>	Roger Byrne
15 minutes	Break		
3:30 – 4:30	<b>Core Question 4: What are my best minimum life-cycle-cost CIP and O&amp;M strategies?</b> Life extension versus replacement What alternative “treatment” options are feasible? What is the best strategy ?	<b>Exercise 4A</b> <i>ORDMs</i>	Roger Byrne
4:30 – 5:00	<b>Discussion, Q &amp; A and Feedback</b>		Duncan Rose



Day 2			
Time	Topic		Who?
8:00 - 8:15	<b>Summary of Day 1, Outline of Day 2</b>		Duncan Rose
8:15 – 9:45	Using AAM to drive Operations and Maintenance Maintenance analysis- what is it ? Moving systematically into Reliability and Condition Based Maintenance	Exercise 4B <i>FMECA</i>	Duncan Rose
15 minutes	Break		
10:00 – 11:15	Using AAM to drive the CIP Strategic CIP validation Building your first AMP for the system Balancing CIP and O&M requirements The Strategic CIP Business Plan	Exercise 4C <i>Valid CIP</i>	Roger Byrne
15 minutes	Break		
11:30 – 12:15	<b>Core Question 5: What is my best long-term funding strategy?</b> Does valuation really matter? Determining a sustainable renewal funding level Effectively telling the funding story "Whole of Business" perspective – using BRE for rate setting & budgeting	Exercise 5A <i>AARA in model</i>	Duncan Rose
45 minutes	Lunch		
1:00 - 2:00	<b>Case Study 1: Deploying an AAM Program</b> "Gap Analysis" benchmarking & developing the improvement program The Human side The Political side Implementation work plans – lessons learned	Basic Self Assessment	Roger Byrne
15 minutes	Break		
2:15 – 3:00	<b>Case Study 2: Meeting the IT Challenge - Toward an Enterprise Asset Management System (EAMS)</b> Defining "work processes" Defining "system functionality" Defining data needs and data flows Developing an EAMS work plan		Duncan Rose
3:00 - 3:30	<b>Closing Summary, Questions, Comments, Evaluation, Discussion of Basic Audit</b>		Duncan Rose

Materials supporting this workshop are available for downloading in pdf format at:  
[www.epa.gov/owm/featinfo.htm](http://www.epa.gov/owm/featinfo.htm)

**Other sites of particular Asset Management interest:**

Innovative Strategic Management (AAM knowledge management): [www.ism.com.au](http://www.ism.com.au)  
 Strategic Asset Management (AAM knowledge management): [www.amqi.com](http://www.amqi.com)

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